

Abstract of the Disclosure

A semiconductor laser diode module according to the present invention is of high power, low noise, good wavelength stability and high reliability irrespective of the temperature change of a service environment. As shown in Fig. 1A, a thermo-electric-module (25) is mounted on the bottom plate (26) of a package (27), and a base (2) is mounted on the thermo-electric-module (25). Mounted on the base (2) are a laser diode (1), a first optical fiber (4) which feeds laser light emitted from one end (31) of the laser diode (1), back to the laser diode (1), and fixation means (6), (7) for supporting the first optical fiber (4) at the positions of two points in the lengthwise direction of this fiber (4). A second optical fiber (13) which receives and transmits the laser light, is disposed on the side of the other end (30) of the laser diode (1). An axis part (33) which connects the laser light emitting face of the laser diode (1) at one end (31) thereof and the laser light receiving end of the optical fiber (4), is located on the end side of the thermo-electric-module (25) with respect to the central part (C) thereof in the direction of the optic axis of the laser diode (1).

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